

CAPILLARY WELD EXTENSION WITH THERMAL ISOLATION

ABSTRACT OF THE DISCLOSURE

A remote seal assembly includes a seal body
5 and an extension. The seal body defines a cavity
with a diaphragm that seals the cavity from a process
fluid. The extension is connected with the seal body
on a first end and is configured for connection to a
capillary tube on a second end. The extension
10 defines a bore extending from the first end to the
second end that is fluidically coupled to the cavity.
A length of the extension is related to a temperature
of the second end of the extension such that the
second end of the extension is at or below an
15 outgassing temperature of the material used to
connect the extension and the capillary tube.